EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L5	6	("5619403" | "5726869" | "5822203" | "6222749" | "6262905" | "6297970").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/19 13:46
L6	2	5 and half near wave	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/19 13:46
L18	9	(US-20060012928-$).did. or (US-3950657-$ or US-4560909-$ or US-3603817-$ or US-4777380-$ or US-6577517-$ or US-6137700-$ or US-5629607-$).did. or (WO-2004015865-$).did.	US-PGPUB; USPAT; EPO	OR	ON	2007/11/19 14:12
L19	1	18 and multiplexer	US-PGPUB; USPAT; EPO	OR	ON	2007/11/19 14:16
L20	105	(ac with dc with converter) same multiplexer	USPAT	OR	ON	2007/11/19 14:17
L21	2	20 and half adj wave	USPAT	OR	ON	2007/11/19 14:17
S1	747	307/38.ccls.	US-PGPUB; USPAT	OR	ON	2007/08/13 10:54
S2	3895749	@ad<"20020725"	US-PGPUB; USPAT	OR	ON	2007/08/13 10:55
S3	503	S1 and S2	US-PGPUB; USPAT	OR	ON	2007/08/13 10:55
S4	1	S3 and phase adj detect$3	US-PGPUB; USPAT	OR	ON	2007/08/13 10:55
S5	0	helmut-theiler.in.	US-PGPUB; USPAT	OR	ON	2007/08/13 10:56
S6	5	((HELMUT) near2 (THEILER)).INV.	US-PGPUB; USPAT	OR	ON	2007/08/13 10:58
S7	3	(("4668908") or ("4777379") or ("4777380")).PN.	US-PGPUB; USPAT	OR	OFF	2007/08/13 10:58
S8	28	("3034062" | "3076902" | "3103602" | "3110810" | "3333104" | "3449574" | "3569818" | "3819980" | "3894235" | "3936719" | "4221968" | "4251847" | "4309612" | "4313055" | "4322817" | "4331876" | "4355884" | "4378501" | "4520494" | "4532644" | "4587606").PN. OR ("4777380"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/13 11:25
S9	17	rectifier and (ac! near phase near detect$3) and switch	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/22 10:44

EAST Search History

S10	15	S9 and S2	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/13 11:25
S11	0	(ac! near phase near detect$3) and (dc! adj loads!)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/13 11:57
S12	1	(ac! near phase near detect$3) and (dc! with loads!)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/13 11:33
S13	11	(ac! near phase near detect$3) and pwm	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/13 11:33
S14	7	S2 and S13	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/13 11:33
S15	99	(ac! near phase near detect$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/13 13:34
S16	60660	phase near detect$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/13 11:58
S17	370	S16 same (switch near control)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/13 11:58
S18	47	S17 and loads!	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/13 11:58
S19	29	S18 and S2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/13 13:30
S20	12953	humidifier	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/13 13:30
S21	244	S20 with light	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/13 13:30
S22	3895749	@ad<"20020725"	US-PGPUB; USPAT	OR	ON	2007/08/13 13:30
S23	123	S21 and S22	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/13 13:31
S24	5	S23 and rectifier and control and switch	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/13 13:31
S25	3939	(phase near detect$3) same (signal with switch)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/13 13:37

S26	2492	S25 and S22	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/13 13:37
S27	103	S26 and phase near (positive negative)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/13 13:58
S28	0	S27 and (switch with loads!)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/13 13:38
S29	189	rectifier same(phase near (positive negative))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/13 13:58
S30	189	rectifier same (phase near (positive negative))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/13 13:58
S31	145	S30 and S22	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/13 13:58
S32	143	S31 not S27	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/13 13:59
S33	26	S32 and phase near detect$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/13 14:28
S34	1340	rectifier same (zero adj cross$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/13 14:29
S35	7	rectifier same ((zero adj cross$3) with detect with switch)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/13 14:29
S36	88	rectifier same ((zero adj cross$3) with detect$3 with switch)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/13 14:29
S37	66	S36 and S22	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/13 14:29
S38	12	("4268899" | "4837672" | "4937731" | "5088019" | "5162984" | "5287263" | "5572415" | "5661348").PN. OR ("6137700"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/14 11:32
S39	467	(phase near detect$3) and (load near control)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/14 11:34
S40	131	S39 and (phase with (positive negative))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/14 11:35

EAST Search History

S42	3896121	@ad<"20020725"	US-PGPUB; USPAT	OR	ON	2007/08/14 11:35
S45	102	S40 and S42	US-PGPUB; USPAT	OR	ON	2007/08/14 11:35
S46	75	S45 and switch	US-PGPUB; USPAT	OR	ON	2007/08/14 11:35
S47	7	S45 and switch.ab.	US-PGPUB; USPAT	OR	ON	2007/08/14 11:36
S48	35	S45 and rectifier	US-PGPUB; USPAT	OR	ON	2007/08/14 11:38
S49	1	S39 and S41 and (dc! with load)	US-PGPUB; USPAT	OR	ON	2007/08/14 11:39
S50	107	S39 and ((rising falling) near edge)	US-PGPUB; USPAT	OR	ON	2007/08/14 11:39
S51	6	S50 and (rectifier same switch)	US-PGPUB; USPAT	OR	ON	2007/08/14 11:40
S52	35	S50 and (phase with switch)	US-PGPUB; USPAT	OR	ON	2007/08/14 12:32
S53	126	rectifier same (negative adj (pulse phas)) same switch	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/14 12:33
S54	116	S53 and S42	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/14 12:35
S55	5470	switch with control with rectifier	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/14 12:35
S56	1298	S55 and phase with switch	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/14 12:36
S57	485	S56 and phase with (detect$3 sens$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/14 12:36
S58	360	S57 and S42	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/14 12:36
S59	77	S58 and (ac! near (source input supply)) and (dc! near (output load))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/14 12:51
S60	1456	(ac?dc adj converter).ab.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/14 12:52
S61	29	S60 and S42 and (phase with switch)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/14 12:57

EAST Search History

S62	14483	full near2 rectifier	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/14 12:58
S63	2471	(full near2 rectifier).ab.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/14 12:58
S64	156	S63 and phase with switch	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/14 12:58
S65	63	S63 and phase with control with switch	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/14 13:00
S66	4640	ac with ((half adj cycles) half?cycles)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/14 13:01
S67	332	S66 and S42 and phase with control with switch	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/14 13:01
S68	332	S66 and S42 and (phase with control with switch)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/14 13:06
S69	98	S68 and (dc! near (loads outputs))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/14 13:06

S70	88	("3142781" | "3193728" | "3200327" | "3243653" | "3256463" | "3274484" | "3397344" | "3667030" | "3691404" | "3706913" | "3719858" | "3821601" | "3845351" | "3879652" | "3898516" | "3924120" | "3943397" | "3990000" | "4016496" | "4057751" | "4080548" | "4086526" | "4219761" | "4241295" | "4287468" | "4325021" | "4331914" | "4355309" | "4389598" | "4392187" | "4417183" | "4423478" | "4438356" | "4447765" | "4450384" | "4461990" | "4484190" | "4500802" | "4504779" | "4528494" | "4540893" | "4547828" | "4567425" | "4598345" | "4617508" | "4633161" | "4649302" | "4688154" | "4688161" | "4689547" | "4704656" | "4705960" | "4705962" | "4763220" | "4823069" | "4931916" | "4949020" | "4972125" | "4975629" | "4977484" | "4984143" | "4987348" | "5004969" | "5005211" | "5015921" | "5239255" | "5268631").PN. OR ("5629607").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/14 13:24
S71	70	S70 and @ad<"20020725"	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/14 13:26
S72	2384	(phase adj locked adj loop).ti.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/14 13:26
S73	4181	(phase adj locked adj loop).ti.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/14 13:26
S74	3896121	@ad<"20020725"	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/14 13:26
S75	1601	S73 and S74	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/14 13:26
S76	441	S75 and (phase with switch)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/14 13:27
S77	222	S75 and (phase with (detect$3 sens$3) with switch)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/14 13:31

EAST Search History

S78	3	S77 and rectifier	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/14 13:28
S79	0	S77 and (ac?dc? adj converter)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/14 13:28
S80	0	S77 and (ac?dc adj converter)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/14 13:28
S81	210	open adj bridge	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/14 13:50
S82	6	open adj bridge adj rectifier	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/14 13:32
S83	160	S81 and S74	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/14 13:50
S84	10	S83 and (phase with switch)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/14 13:32
S85	20	S83 and rectifier	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/14 13:52
S86	134	S83 not (S84 S85)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/14 13:53
S87	111	S86 not fibre	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/14 13:53
S88	0	S87 and dc! adj (output load)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/14 13:53
S89	1	S87 and ac! adj (input source supply power)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/14 13:54
S90	210	open adj bridge	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/21 13:25
S91	6	open adj bridge adj rectifier	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/21 13:25
S92	9	(open adj bridge) with rectifier	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/21 13:28

EAST Search History

S93	26	(open adj bridge) with circuit	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/21 13:28
S94	15138751	@ad<"20050124"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/21 13:28
S96	22	S93 and S94	US-PGPUB; USPAT	OR	ON	2007/08/21 14:24
S97	2001	transformer with tap same rectifier	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/21 14:25
S98	290	S97 and phase with switch	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/21 14:25
S99	281	S98 and S94	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/21 14:25
S10 0	27	S97 and phase with (detect$3 sens$3) with switch	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/21 14:25
S10 1	25	S100 and S94	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/21 14:26
S10 2	8	("5619403" | "5726869" | "5822203" | "6222749" | "6262905" | "6297970").PN. OR ("6577517"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/21 15:05
S10 3	646	rectifier and ((phase near detect$3) same (transistor switch))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/22 10:44
S10 5	496	S103 and S104	US-PGPUB; USPAT	OR	ON	2007/08/22 10:45
S10 6	77	S105 and half adj wave	US-PGPUB; USPAT	OR	ON	2007/08/22 10:49
S10 7	198	open adj bridge	US-PGPUB; USPAT	OR	ON	2007/08/22 10:49
S10 8	210	open adj bridge	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/22 10:50
S10 9	12736931	@ad<"20020725"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/22 10:49
S11 0	170	S108 and S109	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/22 10:49

EAST Search History

S11 1	10	S110 and phase with switch	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/22 10:50
S11 2	185	open! adj bridge	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/22 10:50
S11 3	12	S112 and phase with switch	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/22 10:50
S11 4	3826	H03K017/00	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/22 10:51
S11 5	1	S114 and phase with swtich	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/22 10:51
S11 6	121	S114 and phase with switch	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/22 10:52
S11 7	4	S116 and open! adj (bridge circuit rectifier)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/22 10:52
S11 8	48	S114 and (half adj wave)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/22 10:53
S11 9	26	("3452214" | "3691404" | "3735241" | "3764890").PN. OR ("3950657"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/22 11:06
S12 0	1	("4560909").PN.	US-PGPUB; USPAT	OR	OFF	2007/08/22 11:10
S12 1	34	S114 and half adj (cycle wave) and loads!	US-PGPUB; USPAT	OR	ON	2007/08/22 11:10
S12 2	35	S114 and half adj (cycle wave) and (loads! (second adj load))	US-PGPUB; USPAT	OR	ON	2007/08/22 11:10
S12 3	37	S114 and half adj (cycle wave) and (loads! (second adj load))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/22 11:11
S12 4	15	("3176150" | "3337741" | "3484623" | "3517217").PN. OR ("3603817"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/22 11:29
S12 5	4	(negative adj (pulse wave)) with ((another second different next) adj load)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/22 11:29

EAST Search History

S12 6	28	("3034062" | "3076902" | "3103602" | "3110810" | "3333104" | "3449574" | "3569818" | "3819980" | "3894235" | "3936719" | "4221968" | "4251847" | "4309612" | "4313055" | "4322817" | "4331876" | "4355884" | "4378501" | "4520494" | "4532644" | "4587606").PN. OR ("4777380"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/22 11:32
S12 7	10318	H02M003/28	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/22 11:32
S12 8	8788	S127 and S109	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/22 11:32
S12 9	15	S128 and ((half adj (phase wave)) with (load switch))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/22 11:35
S13 0	95	S128 and (half adj (bridge circuit rectifier))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/22 11:44
S13 1	93	S130 not S129	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/22 11:36
S13 2	82	S128 and (half adj (bridge circuit rectifier)).ab.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/22 11:58
S13 3	0	S132 and (loads! (second adj load))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/22 11:44
S13 4	3	S132 and feedback	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/22 11:58